

Applicant Initiated Interview Request Form

Application No.: 10/733,725 First Named Applicant: Chulho Kim
Examiner: England, David E Art Unit: 2443 Status of Application: Pending

Tentative Participants:

(1) M. Brad Lawrence (2) _____
(3) _____ (4) _____

Proposed Date of Interview: February 4, 2009 Proposed Time: 10:00 AM AM/PM

Type of Interview Requested:

(1) ☒ Telephonic (2) ☐ Personal (3) ☐ Video Conference

Exhibit To Be Shown or Demonstrated: ☐ YES ☐ NO

If yes, provide brief description: _____

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) <u>2, 10, 20</u>	_____	<u>A, B</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☒ Continuation Sheet Attached

Brief Description of Argument to be Presented:

See Continuation Sheet

An interview was conducted on the above-identified application on _____.

NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

/M. Brad Lawrence/

Applicant/Applicant's Representative Signature

M. Brad Lawrence

Typed/Printed Name of Applicant or Representative

47210

Registration Number, if applicable

Examiner/SPE Signature

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

CONTINUATION SHEET TO APPLICANT INITIATED INTERVIEW REQUEST FORM

PROPOSED CLAIM AMENDMENTS

1. (Proposed Amendment) A communication system with a communications adapter operating in an interrupt mode, the system comprising:

a network system with at least one sender and a recipient of a message and a network for communication therebetween;

said communications adapter placing data from said message in a receive buffer and generating an interrupt; and

a state variable configured to track received messages;

wherein said state variable is incremented only if a multi-packet message is received;

wherein said state variable is decremented if said multi-packet message completes;

wherein an interrupt handler exiting only if: there are no more packets in said receive buffer; and at least one of: said state variable is equal to a selected value and a selected interval has transpired since said interrupt was generated.

10. (Proposed Amendment) A method for increasing bandwidth in an interrupt mode processing protocol comprising:

creating a state variable configured to track received messages;

incrementing said state variable only if said received message exhibits multiple packets;

decrementing said state variable if said received message exhibits multiple packets and completes; and

generating an interrupt, with a communications adapter running in an interrupt mode, said communications adapter placing data from received message in a receive buffer;

exiting an interrupt handler only if: there are no more packets in said receive buffer; and at least one of: said state variable is equal to a selected value and a selected interval has transpired since said interrupt was generated.

19. (Proposed Amendment) A storage medium encoded with a machine-readable computer program code, said code including instructions for causing a computer to implement a method for increasing bandwidth in an interrupt mode processing protocol, the method comprising:

creating a state variable configured to track received messages;

incrementing said state variable only if said received message exhibits multiple packets;

decrementing said state variable if said received message exhibits multiple packets and completes; and

generating an interrupt, with a communications adapter running in an interrupt mode, said communications adapter placing data from received message in a receive buffer;

exiting an interrupt handler only if: there are no more packets in said receive buffer; and at least one of: said state variable is equal to a selected value and a selected interval has transpired since said interrupt was generated.

REMARKS

In the Pre-Interview Communication, independent claims 1 and 10 were rejected under 35 U.S.C. 102(a) in view of reference A. Applicants propose amending claims 1, 10, and 19 to include, respectively, the limitations currently found in claims 2, 11 and 20. These claims were rejected over reference A in view of reference B under 35 U.S.C. 103(a). In particular, the rejection states that reference B teaches "only to use a counter with multiple packets" Applicants do not dispute this statement but do assert that B does not teach each portion limitations found in claims 2, 10, and 20..

Both claims 2 and 10 recite exiting an interrupt handler only if: there are no more packets in said receive buffer: and at least one of: said state variable is equal to a selected value and a selected interval has transpired since said interrupt was generated. B does not teach such a system of method. In particular, claims 2, 10, and 20 require a two-part test not taught by B. This test requires first, that there be no packets in the receive buffer as a condition precedent to the second part of the test. When this condition is met then either the state variable has to be equal to selected value or a time interval has transpired since the interrupt was generated in order for interrupt handler to be exited. This dual step test is neither taught nor suggested by B. Indeed, the cited sections of B do not discuss requiring that there be no more packets in the receive buffer to exit the interrupt handler. Rather, the only metric mentioned is the rate that or arrival of packets and how that may change.

In view of the foregoing proposed amendments and remarks, it is submitted that the present invention as proposed is patentable over the cited references.

If a communication with Applicant's Attorneys would assist in advancing this case to allowance, the Examiner is cordially invited to contact the undersigned so that any such issues may be promptly resolved.

The Commissioner is hereby authorized to charge any additional fees that may be required for this amendment, or credit any overpayment, to Deposit Account No. 09-0463. In the event that an extension of time is required, or may be required in addition to

that requested in a petition for extension of time, the Commissioner is requested to grant a petition for that extension of time that is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to the above-identified Deposit Account.

Respectfully submitted,

CANTOR COLBURN LLP
Applicant's Attorneys

By: / M. Brad Lawrence /

Dated this 21st day of 2009

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